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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/644,007	08/20/2003	Kazunori Bannai	241318US2	4866
22850 7590 01/25/2008 OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET			EXAMINER	
			AL HASHIMI, SARAH	
ALEXANDRIA, VA 22314			ART UNIT	PAPER NUMBER
			2853	
,	,			
		•	NOTIFICATION DATE	DELIVERY MODE
		·	01/25/2008	ELECTRONIC

## Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com oblonpat@oblon.com jgardner@oblon.com

<del>-</del>		Application No.	Applicant(s)		
		10/644,007	BANNAI ET AL.		
	Office Action Summary	Examiner	Art Unit		
		Sarah Al-Hashimi	2853		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHO WHIC - Exter after - If NO - Failur Any r	ORTENED STATUTORY PERIOD FOR REPLICHEVER IS LONGER, FROM THE MAILING Dominions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period for the to reply within the set or extended period for reply will, by statute eply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICA 36(a). In no event, however, may a reply will apply and will expire SIX (6) MONTH: , cause the application to become ABAN	TION. y be timely filed S from the mailing date of this communication. DONED (35 U.S.C. § 133).		
Status					
2a) <u></u> □	Responsive to communication(s) filed on <u>09 N</u> This action is <b>FINAL</b> . 2b) This Since this application is in condition for allowa closed in accordance with the practice under E	action is non-final. nce except for formal matters			
Disposition of Claims					
5)	Claim(s) 1-36 is/are pending in the application 4a) Of the above claim(s) 7-36 is/are withdrawn Claim(s) is/are allowed. Claim(s) 1 and 5 is/are rejected. Claim(s) 2-4 and 6 is/are objected to. Claim(s) are subject to restriction and/o  on Papers  The application is abjected to by the Eventine	n from consideration. r election requirement.			
<ul> <li>9) The specification is objected to by the Examiner.</li> <li>10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).</li> <li>11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.</li> </ul>					
Priority u	nder 35 U.S.C. § 119				
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
2) Notice Notice 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	Paper No(s)/N	nmary (PTO-413) //ail Date rmal Patent Application		

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#### **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1&5 are rejected under 35 U.S.C. 102(b) as being anticipated by Nagai (US 6,108,501).

Nagai teaches:

Claim 1: adjusting a position at which one of said image carriers is irradiated with an optical beam in a sub-scanning direction to correct said color shift while said optical beam is irradiated from said optical writing device onto said image carriers to develop the latent one-color images (abs "the method and apparatus include compensation mechanisms configured to adjust the start position of writing images of respective color components in the sub-scanning direction and thereby compensating the color shift").

Claim 5: correcting a write timing at which said optical writing device writes an image; and correcting the position of the optical beam, and wherein said step of correcting a writing timing and said step of correcting the position of the optical beam are executed concurrently (abs "the method and apparatus include compensation mechanisms configured to adjust the start position of writing images of respective color components in the sub-scanning direction and thereby compensating the color shift").

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## Allowable Subject Matter

3. Claims 2-4,6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

The primary reason for the allowance of claims 2-4 is the inclusion of the limitation of a color shift correction method that includes step of adjusting includes reading a pattern written on said image carriers before starting the adjustment for detecting, to detect the color shift among the developed one-color images, and adjusting the position at which the optical beam is irradiated based on the result of reading the pattern. It is this limitation found in claim 2, as it is claimed in the combination of, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

The primary reason for the allowance of claim 6 is the inclusion of the limitation of a color shift correction method that includes said step of correcting the write timing includes correcting a portion corresponding to a quotient derived by dividing an amount of misregistration by a dot pitch, and said step of correcting the position of the optical beam includes correcting a portion corresponding to a residual resulting from the dividing of the amount of misregistration by the dot pitch. It is this limitation found in claim 6, as it is claimed in the combination of, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

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## Response to Arguments

4. Applicant's arguments filed 11/09/2007, with respect to the rejection(s) of claim(s) 1-6 under USC 102 e have been fully considered and are persuasive.

Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Nagai (US 6,108,501).

#### **Conclusion**

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

(US 6,266,073) "A method and apparatus for an electrophotographic color printer".

(US 5,365,258) "a color image forming apparatus ... comprises a plurality of color image forming arrangements, each arrangement comprising: image signal processing means for processing an image signal at a particular color and for producing a modulated image signal; semiconductor laser means for emitting laser beam in accordance with said modulated image signal".

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sarah Al-Hashimi whose telephone number is 571 272 7159. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on 571 272 2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either PAIR or Public PAIR. Status information for unpublished applications is available through PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/SA/

AN H. DO BRIMARY EXAMINER

01/19/2008